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Syed

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- (54) **APPARATUS AND METHOD FOR PROXIMAL TO DISTAL STENT DEPLOYMENT**
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See application file for complete search history.

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(57) **ABSTRACT**

Methods and devices for delivering a stent in a proximal to distal fashion are disclosed. The delivery device includes a sheath catheter, an outer catheter and an inner catheter over a guide wire. A crimped stent is positioned over the distal end of the outer catheter and is held in place by a lubricious elastic membrane attached to a retractable ring. The retractable ring is connected to pull wires and slidably deployed between the inner and outer catheters. The proximal end of the stent is aligned at the treatment location, and the lubricious elastic membrane is pulled back into the space between inner catheter and outer catheter, releasing and deploying the stent from its proximal to its distal end.

20 Claims, 5 Drawing Sheets

